

### ABSTRACT OF THE DISCLOSURE

The invention relates to a method for measuring distance wherein pulsed electromagnetic radiation is emitted by at least one transmitter and the reflected signal impulses are detected by at least one receiver. According to the invention, the distances of the objects, at which the emitted radiation impulses are reflected, is measured by determining the propagation time of the impulses. The noise is measured by a receiver and moments in time during which a noise threshold of the receiver is exceeded, are determined, and modifications of the noise produced by the signal impulses are detected by the communicating of a plurality of individual measurements respectively comprising said moments in time.